Lesson 3: *How do temperatures change?*

Energy transfer	The process which energy is relocates through collisions of particles
Equilibrium	A state of balance due to the equal exchange of energy between two objects or system, this results in a constant temperature
Thermal Energy	total kinetic energy of an object or system
Temperature	The measure of the average kinetic energy in an amount of matter

Lesson 4: *What affects the temperature of a system?*

Independent	Variable that is purposely changed your testing (Independent means I thing we manipulate)	I: wet vs dry towel
Dependent	The measured results → data changes	D: change in temp
Constant	Every thing that's kept the same	C: same number

nit Challenge Question: How can scientific principles be used to design, construct, and test a device to keep a dog crate from overheating during hot days?

Lesson 2: *What is temperature?*	
Macroscopic scale)	can be seen without the assistance of any type of microscope
Molecular scale)	Too small to be seen with standard microscopes
Conventions	A set of rules/norms that are used to make symbols and phrases in notes consistent
Molecule	A very small portion of matter
Energy	The capacity to do work or cause change
Random	occuring without plan or pattern
Spontaneous	occuring without apparent outside cause, without
Kinetic Energy	The energy an object possesses due to motion